

WHY A NEWSLETTER?

Consider the great computer watershed: numbers on one side, letters on the other. The computer can manipulate and analyze both with equal ease. Indeed, the age of word processing in academic writing programs is just beginning to dawn across the nation, and more than a few institutions are awakening to the fact that a revolutionary change in curriculum is being incubated. This newsletter is a resource for guiding that application.

. IEEE CONFERENCE IN OCTOBER

"The Many Facets of Computer Communications" is the theme of this year's conference of the IEEE Professional Communication Society to be held in Atlanta, GA, October 19-21. The technology in written communications subdivision will include presentations on word processing, writing and editing on terminals, and personal computers vs. main utility. More information can be obtained by writing to the Institute of Electrical and Electronics Engineers, Inc., 345 E. 47th St., New York, NY 10017.

0 WHY WORD PROCESSING?

For students and professors in a wide variety of disciplines, writing is--or should be--a primary tool for learning. The computer can help with all phases of the writing process, from the heuristic mustering of an idea-base to oft-neglected revision. It can provide a quantitative measure of a writer's style--or allow a professor with a standalone system to offer detailed, student-specific comment sheets. The word processor not only saves times, conserves labor, and solves problems, but it also reinforces the traditional mission of writing programs.

. A GET-ACQUAINTED BIBLIOGRAPHY

The following bibliography is intended as an introduction to word processing in writing programs. Space limitations called for a

periodical-based sampling of representative resources rather than a more all-inclusive guide. Some bibliography-rich subject areas will be given more focused attention in a later newsletter issue: literary analysis, readability analysis, foreign language textual analysis, and the like.

Arms, Valarie M. "The Computer Kids and Composition." Annual Meeting of the Conference on College Composition and Communication. San Francisco, March 18-20, 1982. [ED 217 489], 9pp.

Asimov, Isaac. "The Word Processor and I: A Question of Speed." <u>Popular</u> <u>Computing</u>. 1(June 1982), pp. 24-25.

Beiswinger, George H. "The Electronic Freelancer: A Peek at the Freelance Life, Circa 1991." <u>Writer's Digest</u>. (April 1981), pp. 26-27.

Berry, Eleanor. "Writing with a Word Processor for Scholars, Poets, and Undergraduates." Paper presented to the MLA Convention. Los Angeles (1982), pp. 1-12.

Braby, Richard and J. Peter Kincaid. "Computer Aided Authoring and Editing." <u>Journal</u> of <u>Educational</u> <u>Technology</u> <u>Systems</u>. 10(1981-2), pp. 109-124.

Burns, Hugh L. and George H. Culp. "Stimulating Invention in English Composition Through Computer-Assisted Instruction" Educational Technology 20:8(August 1980), pp. 5-10.

Burns, Hugh. "A Writer's Tool: Computing As a Mode of Inventing." New York College English Association Conference. Saratoga Springs, New York: October 3-4, 1980. [ED 193 693], 11pp.

Burns, Hugh. "Computing As a Way of Brainstorming in English Composition." <u>Proceedings</u> of the NECC 1981 National Educational <u>Computing Conference</u>. 3rd, North Texas State University, Denton, Texas, June 17-19, 1981. Diana Harris and Laurie Nelso-Heern, eds. [ED 207 526] pp. 105-108.

Cherry, Lorinda. "Computer Aids for Writers." <u>Sigplan Notices</u>. Association for Computing Machinery. Special Interest Group on Programming Languages. 16:6(June 1981), pp. 61-67.

Lorinda, Cherry. "Writing Tools." <u>IEEE</u> <u>Transactions</u> on <u>Communications</u>. 30:1(January 1982), pp. 100-105.

Collier, Richard M. "The Influence of Computer-based Text Editors on the Revision Strategies of Inexperienced Writers."

Annual Meeting of the Pacific Northwest Conference on English in the Two-year College." Calgary, Canada: October 22-24, 1981. [ED 211 998] 26pp.

Cronnell, Bruce and Ann Humes. "Using Microcomputers for Composition Instruction." Conference on College Composition and Communication: March 1981 [ED 203 872] 10pp.

DeVolpi, A., G. S. Stanford, C. L. Fink, E. A. Rhodes, and M. R. Fenrick. "Text Processing for the Professional Staff." <u>IEEE</u> <u>Transactions on Professional Communications.</u> 23:4(December 1980), pp. 164-167.

Electrical Construction and Maintenance. "Desk-top Computer Speeds Spec Writing for Consulting Engineer." <u>Electrical</u> <u>Construction</u> and <u>Maintenance</u>. 80:7(July 1981), pp. 68-69.

Fallows, James. "Living with a Computer." <u>The Atlantic Monthly</u>. 250:1(July 1982), pp. 84-91.

Fallows, James. "Computer Romance, Part II." <u>The Atlantic</u> <u>Monthly</u>. 251:3(March 1983), pp. 107-109.

Guthrie, John T. "Research: One Computer Literacy Skill." Journal of Reading. 24(February 1981), pp. 458-460.

Halpern, Jeanne W. "Effects of Dictation/Word Processing Systems on Teaching Writing." Annual Meeting of the Conference on College Composition and Communication. San Francisco, March 18-20, 1982. [ED 215 357] 13pp.

Halvorson, W. Ferron. "Demystifying the CAI Mystique or Steps in Developing CAI Courses." <u>Proceedings of the 12th Annual Small</u> <u>College Computing Symposium.</u> (1979), pp. 20-40.

Hennings, Dorothy Grant. "Input: Enter the Word-Processing Computer." Language Arts. 58:1(January 1981), pp. 18-22.

Huhns, M. N. and E. Soniat du Fossat. "Computer Correction of English Grammar Errors." Conference Proceedings of IEEE Southeastcon '82, Destin, Florida (April 4-7, 1982), pp. 66-9.

Halvorson, W. Ferron. "Demystifying the CAI Mystique or Steps in Developing CAI Courses." <u>Proceedings of the 12th Annual Small</u> <u>College Computing Symposium.</u> (1979), pp. 20-40.

Hennings, Dorothy Grant. "Input: Enter the Word-Processing Computer." Language Arts. 58:1(January 1981), pp. 18-22.

Huhns, M. N. and E. Soniat du Fossat. "Computer Correction of English Grammar Errors." Conference Proceedings of IEEE Southeastcon '82, Destin, Florida (April 4-7, 1982), pp. 66-9.

Ilson, Richard. "Recent Research in Text Processing." <u>IEEE</u> <u>Transactions on Professional Communications.</u> 23:4(December 1980), pp. 168-170.

Johnson, Tom. Four for the Future: Four Writers Discuss How Their Word Processors Have Affected Their Work." <u>Writer's</u> <u>Digest</u>. (April 1981), pp. 24-25.

Kelly, J. Terence and Kamala Anandam. <u>Teaching Writing with the</u> <u>Computer As Helper</u>. Washington, D.C.: Amer. Assoc. of Community and Junior Colleges, 1982.

Kiefer, Kathleen and Charles R. Smith. "Textual Analysis with Computers: Tests of Bell Laboratories' Computer Software." <u>Research in the Teaching of English</u>. forthcoming.

Kincaid, J. Peter, James A. Aagard, John W. O'Hara, and Larry K. Cottrell. "Computer Readability Editing System." 24:1 (March 1981), pp. 38-41.

Lawler, Robert W. "One Child's Learning: Introducing Writing with a Computer." <u>Giscue Bulletin</u>. 14:3(1980), Association for Computing Machinery. Special Interest Group on Computer Uses in Education, pp. 19-28.

Liggett, Sarah. "Advantages of Randomized Experiments for Research in Composition." Annual Meeting of the Conference on College Composition and Communication. San Francisco, March 18-20, 1982. [ED 214 198] 10pp.

Luckers, Tom. "The Micro As a Writing Tool." Interface Age. 6:5(May 1981), pp. 70-72, 144.

MacDonald, Nina, Lawrence T. Frase, Patricia S. Gingrich, and Stacey A. Keenan. "Writer's Workbench: Computer Aids for Text Analysis." <u>IEEE Transactions</u> on <u>Communications</u>. 30:1 (January 1982), pp. 105-110.

Martindale, Colin. "Evolutionary Trends in English Poetry." <u>Perspectives in Computing</u>. 1:1(February 1981), pp. 17-22.

McIlroy, M. Douglas. "Development of a Spelling List." <u>IEEE</u> Transactions on Communications. 30:1(January 1982), pp. 91-99.

Milic, Louis T. "Stylistics + Computers = Pattern Stylistics." Perspectives in Computing. 1(December, 1981), pp. 4-11.

Mullins, Carolyn J. and Thomas W. West. "Word Processing for Technical Writers and Teachers." Annual Conference of the International Technical Communication Society. Pittsburgh, Pennsylvania: May 20-23, 1981 [ED 211 046] 10pp.

Nancarrow, Paula Reed. "Integrating Word Processors into a Freshman Composition Curriculum." (with exercises). Unpublished paper at 1982 MLA Convention in Los Angeles. Program in Composition and Communication. University of Minnesota, pp. 1-16.

Oreovicz, Frank S. "A Writing Instructor's Best Friend: the Word Processor." <u>Engineering</u> <u>Education</u>. (February 1983), pp. 376-378.

Page, Ellis B. "The Imminence of Grading Essays by Computer." Phi Delta Kappan. 47(1966), pp. 238-43.

Page, Ellis B. "The Use of the Computer in Analyzing Student Essays." International Review of Education. 14(1968), pp. 210-215.

Perry, Robin. "A Writer's Guide to Word Processors." <u>Writer's</u> <u>Digest</u>. (April 1981), pp. 21-30.

Powell, Kenneth B. "Readability Formulas: Used or Abused?" <u>IEEE</u> <u>Transactions</u> on <u>Professional</u> <u>Communications</u>. 24:1 (March 1981), pp. 43-54.

Sager, Naomi. <u>Natural Language Information Processing: A</u> <u>Computer Grammar of English and Its Applications</u>. Reading, Ma.: Addison, Wesley, 1981.

Schadewald, Robert. "Longfellow vs. Shortfellow." <u>Technology</u> Illustrated. 3:2(February 1983).

Schwartz, Helen J. "Monsters and Mentors: Computer Applications for Humantistic Education." <u>College English</u>. 44:2(February 1982), pp. 141-152.

Sharples, Mike. "A Computer-based Teaching Scheme for Creative Writing." <u>Computers in Education</u>. R. Lewis and D. Tagg, eds. North-Holland Publishing Co.: 1981, pp. 483-488.

Slotnick, Henry B. and John V. Knapp. "Essay Grading by Computer: A Laboratory Phenomenon?" English Journal. 60(1971), pp. 75-87.

Slotnick, Henry B., John V. Knapp, and Rodney L. Bussell. "Bits, Nybbles, Bytes: A View of Electronic Grading." <u>The Journal of</u> <u>Business Communications</u>. 8:2(Winter 1971), pp. 35-52.

Slotnick, Henry B. "Toward a Theory of Computer Essay Grading." Journal of Educational Measurement. 9:4(Winter 1972), pp. 253-263.

Smith, Charles R. and Kathleen E. Kiefer. "Writer's Workbench: Computers and Writing Instruction." Colorado State University: Unpublished paper (April 1982), 7pp.

Tebeaux, Elizabeth. "Reevaluating and Reorienting Technical Communication Courses to Meet the Real World Communication Needs of Engineering Students." <u>Frontiers in Education</u>: <u>Conference</u> <u>Proceedings</u>. (IEEE, 10th) Houston, Texas. 1980. pp. 232-235.

Tebeaux, Elizabeth. "Keeping Technical Writing Relevant (Or, How to Become a Dictator)." <u>College English</u>. 45:2(February 1983), pp. 174-183.

Wall, Shavaun M. and Nancy E. Taylor. "Using Interactive Computer Programs in Teaching Higher Conceptual Skills: An Approach to Instruction in Writing." <u>Educational</u> <u>Technology</u>. (February, 1982), pp. 13-17.

Wetterlind, Peter. "Word Processing-Text Editing." <u>Proceedings</u> of the 14th Annual Small College Computing Symposium. (University of Wisconsin-Stevens Point) 1981, pp. 121-133.

Woelfle, Robert M. "The Impact of Word Processing on Engineering Communications." <u>IEEE</u> <u>Transactions</u> <u>on</u> <u>Professional</u> <u>Communications.</u> 23:4(December 1980), pp. 159-163.

Woodruff, Earl, Carl Bereiter, and Marlene Scardamalia. "On the Road to Computer Assisted Compositions." Journal of Educational Technology Systems. 10:2(1981-1982), pp. 133-148.

Wresch, William. "Computers in English Class: Finally Beyond Grammar and Spelling Drills." <u>College English</u>. 44:5(September 1982), pp. 483-490.

Wresch, William. "Prewriting, Writing, and Editing by Computer." Annual Meeting of the Conference on College Composition and Communication. San Francisco, March 18-20, 1982. [ED 213 045] 14pp.

<u>Technological</u> <u>Horizons in</u> <u>Euducation</u> is a full-scale magazine devoted to computers and electronics technology in education. Subscriptions are free to professors and adminstrators, among others: Circulation Department, T.H.E. Journal, P.O. Box 992, Acton, MA 01720

Coming issues of the newsletter will be devoted to the applications of word processors to various stages of the writing pro-

cess, grant-seeking strategies and opportunities for word processing, and suchlike. Please send along any suggestions or comments.